	Application No.	Applicant(s)
Notice of Allowability		
	10/566,287 Examiner	OHSHIMA ET AL. Art Unit
	LAMINING	Artom
	Ryan J. Johnson	2817
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85). NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu IGHTS. This application is so	this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to the preliminary amen	dment filed 27 January 2006	
2. The allowed claim(s) is/are <u>1-9</u> .		
3. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the:		r (f).
1. Certified copies of the priority documents have		Ale
2. Certified copies of the priority documents have		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,	
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or	in the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on th he header according to 37 CFI	e drawings in the front (not the back) of R 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)	e Elandin de	Data d Angliantina
1. Notice of References Cited (PTO-892)		formal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ımmary (PTO-413), Mail Date
3. Information Disclosure Statements (PTO/SB/08),	7. 🛭 Examiner's	Mail Date Amendment/Comment
Paper No./Mail Date <u>1/27/06</u> , <u>12/18/06</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🗌 Examiner's	Statement of Reasons for Allowance
of Biological Material	9. 🗌 Other	÷

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Androlia on June 28th, 2007.

The application has been amended as follows:

On page 13 of the specification, replace

"DISCLOSURE OF THE INVENTION

PROBLEMS TO BE SOLVING BY THIS INVENTION"

with "SUMMARY OF THE INVENTION".

On page 17 of the specification, remove

"MEANS FOR SOLVING THE PROBLEMS".

On page 21 of the specification, remove

"EFFECT OF THE INVENTION".

On pages 33-35 of the specification, move "BRIEF DESCRIPTION OF THE DRAWINGS" and paragraph [0041] beginning with "FIG. 1 is a structure..." and ending with "...utilizing MOS capacitance characteristics." to page 22 of the specification following the line reading "applied voltage range with time in the external control circuit".

On page 22 of the specification, replace

"BEST MODE FOR CARRYING OUT THE INVENTION"

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with "DESCRIPTION OF THE PREFERRED EMBODIMENTS".

2. The following changes to the drawings have been approved by the examiner and agreed upon by applicant: Figures 12-25 should be designated by a legend such as -- Prior Art-- because only that which is old is illustrated. In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

- 3. The following is an examiner's statement of reasons for allowance: A combination of the following limitations, in the context of each claim, could not be found in prior art: "the MOS capacitance element is a channel transistor of a second conductivity type formed in a well region of a first conductivity type, the second conductivity type being opposite to the first conductivity type" and "a bias voltage is supplied between ... an extraction electrode ... formed in the source and drain regions ... and an extraction electrode ... formed in the well region".
- 4. The information disclosure statement filed January 27th, 2006 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. A copy of the NPL document by Satoshi Yamamoto et al. has not been received. It has been placed in the application file, but the information referred to therein has not been considered.
- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ishikawa et al. (U.S. Patent No. 6,734,747), Kamiya et al. (U.S.

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Patent No. 6,320,474), and Kitamura et al. (U.S. Publication No. 2004/0056725) disclose oscillator circuits with similar MOSFET semiconductor capacitance structures.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan J. Johnson whose telephone number is 571-270-1264. The examiner can normally be reached on Monday - Thursday, 9:00 am - 5:00 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/RJJ/

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Robert Pascal
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